XP00222348S

10/29 - (C) WPI / DERWENT
AN - 1996-075229 [08]
AP - JP19940142358 19940531
PR - JP19940142358 19940531
TI - Mfg. self-adhesive tape having good heat resistance - from UV curable compsn. contg. acrylate, monofunctional monomer, oligo:acrylate and photopolymerisation initiator
IW - MANUFACTURE SELF ADHESIVE TAPE HEAT RESISTANCE ULTRAVIOLET CURE COMPOSITION CONTAIN ACRYLATE MONOFUNCTIONAL MONOMER OLIGO ACRYLATE PHOTOPOLYMERISE INITIATE
PA - (SONY ) SONY CHEM CORP
PN - JP7331198 A 19951219 DW199608 C09J7/02 013pp
IC - C09J4/00 ; C09J7/02
AB - J07331198 A UV curable self-adhesive compsn., contg. (a) an acrylic ester of 4-14C alkyl alcohol, (b) a monofunctional monomer capable of copolymerising with (a), (c) an oligoacrylic with a molecular weight of 300 or higher and (d) a photopolymerisation initiator, is applied to a base sheet, followed by two-step irradiation with UV light, with the 2nd-step irradiation being performed at an intensity of higher than that of the 1st-step irradiation.
- Pref. (c) is contained at 0.0001-0.002 mol per 100 pts.wt. of total of (a) and (b). (d) is contained at 0.005-0.1 pt.wt. per 100 pts.wt. of total of (a), (b) and (c). The 1st-step irradiation is performed until polymerisation degree of compsn. exceeds 80%. The 1st-step irradiation is done with a lamp having a main wavelength of 352 nm and the 2nd-step irradiation is done with a lamp having a main wavelength of 364 nm. In the irradiation, coated surface of the base sheet is in a chromatic colour with a colour value of 6 or lower or in chromatic colour with a hue circle of blue or green colour. The base sheet is a hot-melt type adhesive film.
- ADVANTAGE - The self-adhesive compsn. has increased polymerisation degree and heat resistance and a self-adhesive tape is produced efficiently without environmental problem due to use of solvent.
- (Dwg.0/6)